

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. Cancelled.
2. (currently amended) An information recording medium, comprising:
a first information recording/reproduction unit formed by sequentially laminating on a first transparent substrate, which receives recording/reproduction light, a first recording layer and a translucent layer, at the least;
a second information recording/reproduction unit formed by sequentially laminating on a second transparent substrate a reflection layer and a second recording layer, at the least; and
a transparent bonding layer for bonding said translucent layer and said second recording layer facing each other,
wherein grooves for writing information, and lands adjacent to said grooves, are formed in and on said first recording layer and said second recording layer,
~~wherein said grooves in said first recording layer and in said second recording layer have substantially the same thickness, while said grooves are thicker than said lands,~~
wherein said grooves in said first recording layer are disposed in a first direction perpendicular to a surface of said first transparent substrate and said grooves in said second recording layer are disposed in a second direction, which is opposite to said first direction,

wherein said grooves in said first recording layer are recessed ~~toward~~ with respect to said first transparent substrate and away from said lands on said first recording layer, and

wherein said grooves in said second recording layer are raised ~~toward~~ with respect to said first transparent substrate and away from said lands on said second recording layer.

3. (Original) The information recording medium according to claim 2, wherein said grooves and said lands formed in and on said first recording layer have a phase substantially the same in the radial direction as have said grooves and said lands formed in and on said second recording layer.

4. (Original) The information recording medium according to claim 2, wherein said grooves and said lands formed in and on said first recording layer have a phase substantially the opposite in the radial direction as have said grooves and said lands formed in and on said second recording layer.

5. (Original) The information recording medium according to claim 2, wherein said grooves in said first recording layer are recessed toward said first transparent substrate and away from said lands on said first recording layer; and wherein said grooves in said second recording layer are raised toward said first transparent substrate and away from said lands on said second recording layer.

6. (Original) The information recording medium according to claim 2, wherein

said grooves in said first recording layer are extended upward toward said first transparent substrate and are elevated relative to said lands on said first recording layer; and wherein

said grooves in said second recording layer are retracted toward said first transparent substrate and are recessed relative to said lands on said second recording layer.

7. (Currently amended) An information recording medium, comprising:
- a first transparent substrate, which receives recording/reproduction light;
 - a first recording layer;
 - a translucent layer, wherein said first recording layer is disposed between said translucent layer and said first transparent substrate;
 - a second recording layer, wherein said translucent layer is disposed between said second recording layer and said first recording layer; and
 - a reflection layer, wherein second recording layer is disposed between said reflection layer and said translucent layer,
- wherein said first recording layer comprises first grooves and first lands;
- wherein said second recording layer comprises second grooves and second lands,
- ~~wherein said first grooves are thicker than said first lands,~~
- wherein said first grooves are disposed in a first direction perpendicular to a surface of said first transparent substrate and said second grooves are disposed in a second direction, which is opposite to said first direction,

wherein said grooves in said first recording layer are recessed ~~toward~~ with respect to said first transparent substrate and away from said lands on said first recording layer, and

wherein said grooves in said second recording layer are raised ~~toward~~ with respect to said first transparent substrate and away from said lands on said second recording layer.

8. (Previously Presented) The information recording medium as claimed in claim 7, wherein said second grooves are thicker than said second lands.

9. (Previously Presented) The information recording medium as claimed in claim 7, wherein a thickness of said first grooves substantially equals a thickness said second grooves.

10. (Previously Presented) The information recording medium as claimed in claim 7, wherein a thickness of said first lands substantially equals a thickness said second lands.

11. (Previously Presented) The information recording medium as claimed in claim 8, wherein a thickness of said first grooves substantially equals a thickness said second grooves, and

wherein a thickness of said first lands substantially equals a thickness said second lands.

12. (Previously Presented) The information recording medium as claimed in claim 7, further comprising a bonding layer disposed between the translucent layer and the second recording layer.

13. (Previously Presented) The information recording medium as claimed in claim 11, further comprising a bonding layer disposed between the translucent layer and the second recording layer.

14. (currently amended): An information recording medium, comprising:
a first information recording/reproduction unit formed by sequentially laminating on a first transparent substrate, which receives recording/reproduction light, a first recording layer and a translucent layer, at the least;

a second information recording/reproduction unit formed by sequentially laminating on a second transparent substrate a reflection layer and a second recording layer, at the least; and

a transparent bonding layer for bonding said translucent layer and said second recording layer facing each other,

wherein grooves for writing information, and lands adjacent to said grooves, are formed in and on said first recording layer and said second recording layer,

~~wherein said grooves in said first recording layer and in said second recording layer have substantially the same thickness, while said grooves are thicker than said lands,~~

wherein said grooves in said first recording layer are disposed in a first direction perpendicular to a surface of said first transparent substrate and said grooves in said second recording layer are disposed in a second direction, which is opposite to said first direction,

wherein said grooves in said first recording layer are ~~extended upward toward~~ raised with respect to said first transparent substrate and away from ~~are elevated relative to~~ said lands on said first recording layer, and

wherein said grooves in said second recording layer are ~~retracted toward~~ recessed with respect to said first transparent substrate and away from ~~are recessed relative to~~ said lands on said second recording layer.

15. (Previously Presented) The information recording medium according to claim 14, wherein said grooves and said lands formed in and on said first recording layer have a phase substantially the same in the radial direction as have said grooves and said lands formed in and on said second recording layer.

16. (Previously Presented) The information recording medium according to claim 14, wherein said grooves and said lands formed in and on said first recording layer have a phase substantially the opposite in the radial direction as have said grooves and said lands formed in and on said second recording layer.

17. (currently amended): An information recording medium, comprising:
a first transparent substrate, which receives recording/reproduction light;
a first recording layer;
a translucent layer, wherein said first recording layer is disposed between said translucent layer and said first transparent substrate;
a second recording layer, wherein said translucent layer is disposed between said second recording layer and said first recording layer; and
a reflection layer, wherein second recording layer is disposed between said reflection

layer and said translucent layer,

wherein said first recording layer comprises first grooves and first lands;

wherein said second recording layer comprises second grooves and second lands,

~~wherein said first grooves are thicker than said first lands,~~

wherein said first grooves are disposed in a first direction perpendicular to a surface of said first transparent substrate and said second grooves are disposed in a second direction, which is opposite to said first direction,

wherein said grooves in said first recording layer are ~~extended upward toward~~ raised with respect to said first transparent substrate and away from ~~are elevated relative to~~ said lands on said first recording layer, and

wherein said grooves in said second recording layer are ~~retracted toward~~ recessed with respect to said first transparent substrate and away from ~~are recessed relative to~~ said lands on said second recording layer.

18. (Previously Presented) The information recording medium as claimed in claim 17, wherein said second grooves are thicker than said second lands.

19. (Previously Presented) The information recording medium as claimed in claim 17, wherein a thickness of said first grooves substantially equals a thickness said second grooves.

20. (Previously Presented) The information recording medium as claimed in claim 17, wherein a thickness of said first lands substantially equals a thickness said second lands.

21. (Previously Presented) The information recording medium as claimed in claim 18, wherein a thickness of said first grooves substantially equals a thickness said second grooves, and

wherein a thickness of said first lands substantially equals a thickness said second lands.

22. (Previously Presented) The information recording medium as claimed in claim 17, further comprising a bonding layer disposed between the translucent layer and the second recording layer.

23. (Previously Presented) The information recording medium as claimed in claim 21, further comprising a bonding layer disposed between the translucent layer and the second recording layer.

24. (new): The information recording medium as claimed in claim 2, wherein said grooves in said first recording layer and in said second recording layer have substantially the same thickness in a direction perpendicular to said surface of said first transparent substrate, while said grooves are thicker in a direction perpendicular to said surface of said first transparent substrate than said lands.

25. (new): The information recording medium as claimed in claim 7, wherein said first grooves are thicker than said first lands in a direction perpendicular to said surface of said first transparent substrate.

26. (new): The information recording medium as claimed in claim 14, wherein said grooves in said first recording layer and in said second recording layer have substantially the same thickness in a direction perpendicular to said surface of said first transparent substrate, while said grooves are thicker in a direction perpendicular to said surface of said first transparent substrate than said lands.

27. (new): The information recording medium as claimed in claim 17, wherein said first grooves are thicker than said first lands in a direction perpendicular to said surface of said first transparent substrate.